0590

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#10

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/940,727B

DATE: 09/12/2002
TIME: 15:29:16

Input Set : A:\51400B.ST25.txt

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5 <110> APPLICANT: Landry, Donald W
     9 <120> TITLE OF INVENTION: ANTI-COCAINE CATALYTIC ANTIBODY
     13 <130> FILE REFERENCE: 0575/51400-B
     17 <140> CURRENT APPLICATION NUMBER: 09/940,727B
C--> 19 <141> CURRENT FILING DATE: 2002-09-04
     23 <150> PRIOR APPLICATION NUMBER: 09/214,095
     25 <151> PRIOR FILING DATE: 1998-12-28
     29 <150> PRIOR APPLICATION NUMBER: PCT/US97/10965
     31 <151> PRIOR FILING DATE: 1997-06-25
     35 <150> PRIOR APPLICATION NUMBER: 08/672,345
     37 <151> PRIOR FILING DATE: 1996-06-25
     41 <160> NUMBER OF SEQ ID NOS: 121
     45 <170> SOFTWARE: PatentIn version 3.1
     49 <210> SEQ ID NO: 1
     51 <211> LENGTH: 109
     53 <212> TYPE: PRT
     55 <213> ORGANISM: mouse
     59 <400> SEQUENCE: 1
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                        5
     65 Val Thr Leu Thr Cys Arg Ser Ser Thr Gly Thr Ile Thr Thr Ser Asn
                                        25
     66
     69 Tyr Ala Asn Trp Val Gln Glu Lys Pro Asp His Leu Phe Ser Gly Leu
                                     40
     73 Ile Gly Ile Asn Asn Asn Arg Pro Pro Gly Val Pro Ala Arg Phe Ser
     77 Gly Ser Leu Ile Gly Asp Lys Ala Val Leu Thr Ile Thr Gly Ala Gln
                            70
     81 Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala Leu Trp Tyr Ser Asn His
                                             90
     85 Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
                    100
     89 <210> SEQ ID NO: 2
     91 <211> LENGTH: 109
     93 <212> TYPE: PRT
     95 <213> ORGANISM: mouse
     99 <400> SEQUENCE: 2
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     102 1
     105 Val Thr Leu Thr Cys Arg Ser Ser Ala Gly Thr Ile Thr Thr Ser Asn
                                          25
     109 Tyr Ala Asn Trp Val Gln Glu Lys Pro Asp His Leu Phe Ser Gly Leu
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RAW SEQUENCE LISTING DATE: 09/12/2002 PATENT APPLICATION: US/09/940,727B TIME: 15:29:16

Input Set : A:\51400B.ST25.txt

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113 Ile Gly Val Asn Asn Asn Pro Pro Gly Val Pro Ala Arg Phe Ser
117 Gly Ser Leu Ile Gly Asp Thr Ala Ala Leu Thr Ile Thr Gly Ala Gln
121 Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala Leu Trp Tyr Ser Asn His
                    85
125 Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
                                    105
129 <210> SEQ ID NO: 3
131 <211> LENGTH: 109
133 <212> TYPE: PRT
135 <213> ORGANISM: mouse
139 <400> SEQUENCE: 3
141 Ala Val Val Thr Gln Glu Ser Ala Leu Thr Thr Ser Pro Gly Glu Thr
                                        10
142 1
145 Val Thr Leu Thr Cys Arg Ser Ser Thr Gly Thr Ile Thr Ser Asp Asn
149 Tyr Ala Asn Trp Val Gln Glu Lys Pro Asp His Leu Phe Ser Gly Leu
153 Ile Gly Val Asn Asn Tyr Arg Pro Pro Gly Val Pro Ala Arg Phe Ser
                            55
157 Gly Ser Leu Thr Gly Asp Lys Ala Val Leu Thr Ile Thr Gly Ala Gln
161 Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala Leu Trp Tyr Ser Asn His
165 Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
                100
169 <210> SEQ ID NO: 4
171 <211> LENGTH: 98
173 <212> TYPE: PRT
175 <213> ORGANISM: mouse
179 <400> SEQUENCE: 4
181 Thr Arg Ala Gly Glu Thr Val Thr Thr Cys Arg Ser Ser Ser Gly Thr
185 Ile Thr Ala Asn Asn Tyr Gly Ser Trp Val Gln Glu Lys Pro Asp His
                                     25
189 Leu Phe Thr Gly Leu Ile Gly Val Ser Asn Asn Arg Gly Pro Gly Val
                                40
193 Pro Ala Arg Phe Ser Gly Ser Leu Ile Gly Asp Lys Ala Val Leu Thr
197 Ile Thr Gly Gly Gln Thr Glu Asp Glu Ala Ile Tyr Phe Cys Ala Leu
                                             75
                        70
201 Trp Asn Ser Asn His Phe Val Phe Gly Gly Gly Thr Lys Leu Thr Val
                    85
202
205 Leu Gly
209 <210> SEQ ID NO: 5
211 <211> LENGTH: 113
213 <212> TYPE: PRT
215 <213> ORGANISM: mouse
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RAW SEQUENCE LISTING DATE: 09/12/2002 PATENT APPLICATION: US/09/940,727B TIME: 15:29:16

Input Set : A:\51400B.ST25.txt

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219 <400> SEQUENCE: 5
221 Asp Ile Val Met Thr Gln Asp Glu Leu Ser Asn Pro Val Thr Ser Gly
225 Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Arg Ser Leu Leu Tyr Arg
                                    25
229 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Arg Ser
           35
233 Pro Gln Leu Leu Ile Tyr Leu Met Ser Thr Arg Ser Ser Gly Val Ser
                            55
237 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile
                        70
241 Ser Arg Val Lys Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln His Phe
                                        90
                    85
245 Val Asp Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
                100
246
249 Arg
253 <210> SEQ ID NO: 6
255 <211> LENGTH: 113
257 <212> TYPE: PRT
259 <213> ORGANISM: mouse
263 <400> SEQUENCE: 6
265 Asp Met Val Met Thr Gln Asp Glu Leu Ser Asn Pro Val Thr Ser Gly
269 Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Arg Ser Leu Leu Tyr Arg
                                     25
                20
273 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Arg Ser
                                40
274
277 Pro Gln Leu Leu Ile Tyr Leu Met Ser Thr Arg Ala Ser Gly Val Ser
281 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile
285 Ser Arg Val Lys Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln His Phe
                    85
289 Glu Asp Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
                                     105
                100
290
293 Arg
297 <210> SEQ ID NO: 7
299 <211> LENGTH: 113
301 <212> TYPE: PRT
303 <213> ORGANISM: mouse
307 <400> SEQUENCE: 7
309 Asp Met Val Met Thr Gln Asp Glu Leu Ser Asn Pro Val Thr Ser Gly
310 1
313 Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Arg Ser Leu Leu Tyr Arg
                20
317 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Arg Ser
                                40
321 Pro Gln Leu Leu Ile Tyr Leu Met Ser Thr Arg Ala Ser Gly Val Ser
                            55
322
        50
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/940,727B

DATE: 09/12/2002 TIME: 15:29:16

Input Set : A:\51400B.ST25.txt

Output Set: N:\CRF4\09122002\I940727B.raw

325 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile 326 65 329 Ser Arg Val Lys Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln His Phe 333 Val Asp Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys 105 100 334 337 Arg 341 <210> SEQ ID NO: 8 343 <211> LENGTH: 113 345 <212> TYPE: PRT 347 <213> ORGANISM: mouse 351 <400> SEQUENCE: 8 353 Asp Ile Val Ile Thr Gln Asp Glu Leu Ser Asn Pro Val Thr Ser Gly 10 354 1 357 Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu Tyr Glu 361 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Gln Ser 35 365 Pro His Leu Leu Ile Tyr Leu Met Ser Thr Arg Ala Ser Gly Val Ser 55 369 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile 70 373 Ser Arg Val Lys Ala Glu Asp Val Gly Ala Tyr Tyr Cys Gln Gln Phe 90 377 Val Glu Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Arg 105 100 378 381 Arg 385 <210> SEQ ID NO: 9 387 <211> LENGTH: 114 389 <212> TYPE: PRT 391 <213> ORGANISM: mouse 395 <400> SEQUENCE: 9 397 Glu Leu Val Met Thr Gln Ser Pro Leu Thr Leu Ser Val Thr Ile Gly 10 401 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser 25 20 405 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Phe Gln Arg Pro Gly Gln Ser 40 35 409 Pro Lys Arg Leu Ile Tyr Leu Val Ser Lys Leu Asp Ser Gly Val Pro 55 413 Asp Arg Phe Thr Gly Ser Gly Ser Gly Lys Asp Phe Thr Leu Lys Glu 75 417 Ile Ser Arg Val Glu Ala Glu Asp Leu Gly Leu Tyr Tyr Cys Val Gln 90 418 421 Gly Tyr Thr Phe Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu 105 100 425 Lys Arg 429 <210> SEQ ID NO: 10 431 <211> LENGTH: 117

RAW SEQUENCE LISTING DATE: 09/12/2002 PATENT APPLICATION: US/09/940,727B TIME: 15:29:16

Input Set : A:\51400B.ST25.txt

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435 <213> ORGANISM: mouse
439 <400> SEQUENCE: 10
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445 Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Asn Ser Ile Thr Ser Asp
               20
449 Tyr Ala Trp Thr Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
                                40
453 Met Gly Tyr Ile Arg His Ile Tyr Gly Thr Arg Tyr Asn Pro Ser Leu
                            55
457 Ile Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
                                            75
                        70
461 Leu Gln Leu Asp Ser Val Thr Ala Glu Asp Thr Ala Thr Tyr Tyr Cys
                                        90
                    85
465 Val Arg Tyr His Tyr Tyr Gly Ser Ala Tyr Trp Gly Gln Gly Thr Leu
                                    105
466
469 Val Thr Val Ser Ala
           115
470
473 <210> SEQ ID NO: 11
475 <211> LENGTH: 117
 477 <212> TYPE: PRT
 479 <213> ORGANISM: mouse
 483 <400> SEQUENCE: 11
 485 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
 489 Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Asn Ser Ile Thr Ser Asp
                                     25
 493 Tyr Ala Trp Thr Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
                 20
                                 40
 494 35
 497 Met Gly Tyr Ile Arg His Ile Tyr Gly Thr Arg Tyr Asn Pro Ser Leu
 501 Ile Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
                         70
 505 Leu Gln Leu Asp Ser Val Thr Ala Glu Asp Thr Ala Thr Tyr Tyr Cys
                                         90
                    85
 509 Val Arg Tyr His Tyr Tyr Gly Ser Ala Tyr Trp Gly Gln Gly Thr Leu
                                     105
              100
 513 Val Thr Val Ser Ala
             115
 514
 517 <210> SEQ ID NO: 12
 519 <211> LENGTH: 117
 521 <212> TYPE: PRT
 523 <213> ORGANISM: mouse
 527 <400> SEQUENCE: 12
 529 Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
 533 Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Asn Ser Ile Thr Ser Asp
  534
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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/940,727B

DATE: 09/12/2002 TIME: 15:29:17

Input Set : A:\51400B.ST25.txt

Output Set: N:\CRF4\09122002\I940727B.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:73; Xaa Pos. 4,9,10 Seq#:74; Xaa Pos. 1 Seq#:77; Xaa Pos. 5,8,9,16 Seq#:78; Xaa Pos. 7 Seq#:79; Xaa Pos. 4,9 Seq#:80; Xaa Pos. 6 Seq#:81; Xaa Pos. 2,4,5 Seq#:82; Xaa Pos. 6 Seg#:83; Xaa Pos. 4,5,6,7,15 Seq#:84; Xaa Pos. 1,6,7,8 Seq#:87; N Pos. 16,19,25,356 Seq#:91; N Pos. 16,25,356 Seq#:109; N Pos. 21,28,31,37,40,49,56 Seq#:111; N Pos. 1,13,402,404 Seq#:113; N Pos. 381 Seq#:115; N Pos. 3,11,27,43 Seq#:117; N Pos. 37,40,414